

ABSTRACT

A color image sensor which uses a sensor array that has, as a lighting light source, 3-color light emitting elements capable of independently controlling light emitting timings respectively and at least three pixel arrays respectively constituted by a plurality of pixels, respective pixel arrays being comprising color filters having different transmitting wavelength regions from each other, and which independently controls the lighting start and lighting period of each light emitting element, whereby it is possible to prevent color misalignment in an output image signal and regulate the image signal level of each color component.